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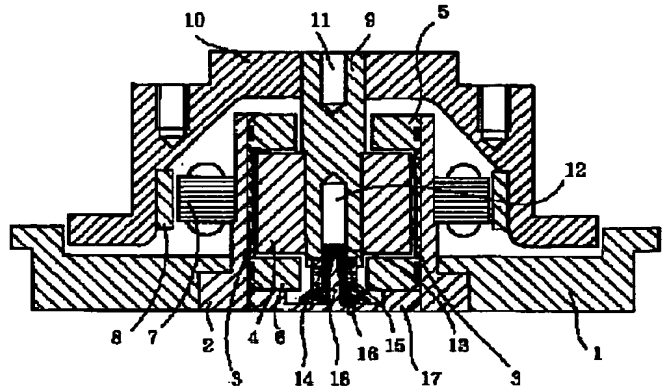
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TITLE : SPINDLE MOTOR AND ROTATOR
UNIT EMPLOYING SPINDLE MOTOR
AS DRIVE SOURCE FOR ROTATOR



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a spindle motor employing a hydrodynamic bearing or a rotator unit employing a spindle motor as the drive source for a rotator in which an electrostatic prevention means having low contact friction, simple structure and reliable earth is interposed between the rotor and the stator.

SOLUTION: In a rotary shaft spindle motor, a storing hole 12 is made at the lower end of a rotary shaft 9 having upper end bonded with a hub 10. A conductive fluid 13, e.g. a conductive grease, produced by admixing a grease with micro particles of metal is injected into the storing hole 12. A needle-like earth member 17 comprises an earth needle 18 having a forward end buried in the conductive grease 13, and a disc-like supporting part bonded to a base plate 1. The rotary section, i.e., the hub 10, is earthed to a fixed section, i.e., the base plate 1, through the rotary shaft 9, the conductive fluid 13, and the needle-like earth member.

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